

Abstract of the Disclosure

A method for matching an upper protocol layer to a high speed serial bus is provided. The method includes the steps of (a) determining whether the length of the data packet transferred from an upper layer to a node of the high speed serial bus is no less than a predetermined length, (b) allocating a channel of the bus and transferring data by an isochronous transfer service when it is determined that the length of the data packet is no less than the predetermined length, and (c) transferring data by an asynchronous transfer service when it is determined that the length of the data packet is less than the predetermined length. According to the above method, it is possible to match an existing communications application where it is not specified which service of the high speed serial bus is to be used to the high speed serial bus, while maintaining transparency of communication protocol and to effectively use the channel resources of the bus.